

Product datasheet for **MG219033**

Lrrfip2 (NM_027742) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrfip2 (NM_027742) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lrrfip2
Synonyms: 5133400F20Rik; AI850587
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219033 representing NM_027742
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACTCCTGGTTCTGGAAGGAAAAGAACGCCGGTAAAAGATCGATTTTCTGCAGAAGATGAAGCTT
TGAGTAACATCGCCAGAGAGGCCAGAAGCAAGGCTAGCAGCAAAGCGGGCCCGCCAGGGCAGAAGCAAGAGA
CATCCGCATGCGGGAACCTGGAACGACAGCAGAGAGAGTTGGATGAAAAATCTGACAAACAGTATGCTGAA
AACTACACAAGACCTTCATCTCGAAATTCGCCTCGGCTACAACGCCTCTAAGTGGGAACATCCAGAC
GGGTAGTGGGGACACCAGCAGCTTAATAGACCCAGACACCTCACTGAGTGAAGTGGGGAGTCTTTGTC
TGAAGTAGAAGAGAAATACAAGAAAGCCATGGTGTCCAATGCACAACATAGACAATGAGAAGAACAATCTG
ATCTACCAGGTGGACACCTCAAGGATGTCAATGAAGAGCAGGAGGAGCAGATGGCAGAGTTTTATAGAG
AGAACGAAGAGAAGTCAAAGGAGTTAGAAAAGGCAGAAACACATGTGCAGCGTGTGCAGCATAAGATGGA
TGAACCTCAAAGAAGGCCCTTCGGCAGAGGGACGAGCTCATCGAGAAACATGGCTTAGTTATAATCCCAGAC
AGCACTCCCAATGGTGTGTCATCATGAGCCTGTGGTTGGAGCCATTACTGCTGTGTCTCAGGAAGCTG
CTCAGGCTTTGGAGTCAGCAGGAGAAGGGCCACTAGATGTGAGGCTACGAAAGCTTGCTGGAGAAAAGGA
CGAGCTCTGTACAGATTAGAAAACCTGAAGCTCCAGTTAGAGGAAGAACGGCAGAAGTGTCCAGGAAT
GATGGCATGTCCGGGGACCTGGCAGGACTGCAGAACGGCTCAGACTTGCAGTTCCATCGAGATGCAGAGAG
ATGCCAATAGACAAATTAGTGAATACAAATTCAGCTTTTCGAAAGCAGAACAAGACATAGCTACCTTGGA
ACAAAGTATCAGCCGGCTTGAGGGGAGGTGCTGAGGTACAAAACCTGCTGCTGAGAAATGCAGAGAAAATT
GAAGATGAGCTGAAAGCAGAAAGGAGGAAGCTACAGCGAGAGCTACGGACGGCACAGGACAAGATAGAGG
AGATGGAGATGACCAACAGCCACCTGGCTAAGCGGCTAGAGAAGTAAAAGCCAACAGGACAGCCCTTCT
AGCCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219033 representing NM_027742
 Red=Cloning site Green=Tags(s)

MGTPGSGRKRTPVKDRFSAEDEALSNIAREAEARLAAKRAARAEARDIRMRELERQQRELDEKSDKQYAE
 NYTRPSSRNSASATTPLSGNSSRRGSGDTSSLIDPDTSLSELRESLSEVEEKYKKAMVSNQDLNEKNNL
 IYQVDTLKDVIIEEQEEQMAEFYRENEEKSKELERQKHMCSVLQHKMDELKEGLRQRDELIEKHGLVIIPD
 STPNGDVHHEPVVGAITAVSQEAAQVLESAGEGPLDVRLRKLAGEKDELLSQIRKLLQLEEERQKCSRN
 DGMSGDLAQLQNGSDLQFIEMQRDANRQISEYKFKLSKAEQDIATLEQSI SRLEGQVLRKYTAAENA EKI
 EDELKAERRKLQRELRTAQDKIEEMMTNSHLAKRLEKMKANRTALLAQQ

TRTRPLE - GFP Tag - V

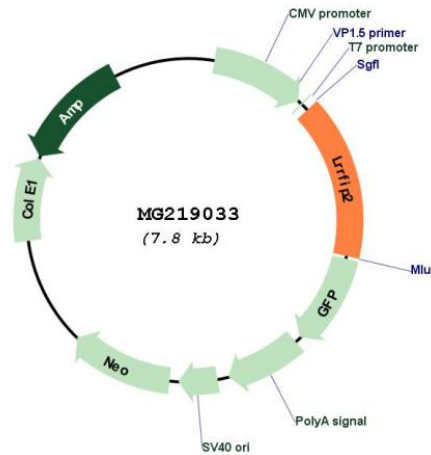
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_027742

ORF Size:	1200 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_027742.3 , NP_082018.1
RefSeq Size:	3215 bp
RefSeq ORF:	1203 bp
Locus ID:	71268
UniProt ID:	Q91WK0
Cytogenetics:	9 F3
Gene Summary:	May function as activator of the canonical Wnt signaling pathway, in association with DVL3, upstream of CTNNB1/beta-catenin. Positively regulates Toll-like receptor (TLR) signaling in response to agonist probably by competing with the negative FLII regulator for MYD88-binding (By similarity).[UniProtKB/Swiss-Prot Function]